

CLAIMS ONLY							SERIAL NO.	FILING DATE
							APPLICANT(S)	
CLAIMS								
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			
	IND.	DEP.	IND.	DEP.	IND.	DEP.		
1								
2								
3								
4								
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43								
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45								
46								
47								
48								
49								
50								
TOTAL IND.	13							
TOTAL DEP.	6							
TOTAL CLAIMS	614							
51								
52								
53								
54								
55								
56								
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58								
59								
60								
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64								
65								
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95								
96								
97								
98								
99								
100								
TOTAL IND.								
TOTAL DEP.								
TOTAL CLAIMS								

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLAIMS ONLY							SERIAL NO.	FILING DATE
							APPLICANT(S)	
CLAIMS								
AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*		*
IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.
1								
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38		2						
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41		2						
42		2						
43		2						
44		1						
45		1						
46		1						
47		3						
48		3						
49		3						
50		1						
TOTAL IND.	↓	↓	↓	↓	↓	↓	↓	↓
TOTAL DEP.	←	←	←	←	←	←	←	←
TOTAL CLAIMS								
51								
52								
53		3						
54		3						
55		1						
56		1						
57	1							
58		1						
59		1						
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78		2						
79		2						
80		1						
81		1						
82		1						
83		3						
84		3						
85		3						
86		3						
87		3						
88		3						
89		1						
90		1						
91		1						
92		3						
93		3						
94		3						
95		3						
96		1						
97		1						
98		1						
99		3						
100		3						
TOTAL IND.	2	↓	↓	↓	↓	↓	↓	↓
TOTAL DEP.	147	←	←	←	←	←	←	←
TOTAL CLAIMS	149							

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S. DEPARTMENT OF COMMERCE
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CLAIMS ONLY							SERIAL NO.	FILING DATE
							APPLICANT(S)	
CLAIMS								
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND. DEP. IND. DEP. IND. DEP.
1		3					51	
2		3					52	
3		3					53	
4		1					54	
5		1					55	
6		1					56	
7		3					57	
8		3					58	
9		3					59	
10		1					60	
11		1					61	
12		1					62	
13		1					63	
14		1					64	
15		1					65	
16		1					66	
17		1					67	
18		1					68	
19		1					69	
20		1					70	
21		1					71	
22		1					72	
23		1					73	
24		1					74	
25		1					75	
26		1					76	
27		2					77	
28		2					78	
29		2					79	
30		2					80	
31		2					81	
32		2					82	
33		2					83	
34		2					84	
35		2					85	
36		1					86	
37		1					87	
38		2					88	
39		2					89	
40		2					90	
41		2					91	
42		2					92	
43		2					93	
44		1					94	
45		1					95	
46		2					96	
47		2					97	
48		2					98	
49		2					99	
50		1					400	
TOTAL IND.							TOTAL IND.	3
TOTAL DEP.							TOTAL DEP.	142
TOTAL CLAIMS							TOTAL CLAIMS	145

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S. DEPARTMENT OF COMMERCE
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CLAIMS ONLY							SERIAL NO.	FILING DATE
							APPLICANT(S)	
CLAIMS								
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			
	IND.	DEP.	IND.	DEP.	IND.	DEP.	*	*
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37		3						
38		3						
39		3						
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43		3						
44		3						
45		3						
46		3						
47		3						
48								
49								
50								
TOTAL IND.		↓		↓		↓		
TOTAL DEP.		←		←		←		
TOTAL CLAIMS								
51		3						
52		3						
53		3						
54		1						
55	1							
56		1						
57		1						
58		1						
59		1						
60		1						
61		1						
62		2						
63		1						
64		1						
65		1						
66		1						
67		1						
68		1						
69		1						
70		1						
71		1						
72		1						
73		1						
74		2						
75		2						
76		2						
77		2						
78		2						
79		2						
80		2						
81		2						
82		1						
83		1						
84		2						
85		2						
86		2						
87		1						
88	1							
89								
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92								
93								
94								
95								
96								
97								
98								
99								
100								
TOTAL IND.	4	↓		↓		↓		
TOTAL DEP.	153	←		←		←		
TOTAL CLAIMS	157							

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

CLAIMS ONLY

SERIAL NO.

10079017

FILING DATE

2-21-02

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	1					
2		1				
3		1				
4		1				
5		1				
6		1				
7		1				
8		1				
9		1				
10		1				
11		1				
12		1				
13		1				
14		1				
15		2				
16		2				
17		2				
18		2				
19		2				
20		2				
21		2				
22		2				
23		2				
24		1				
25		1				
26		1				
27		3				
28		3				
29		3				
30		3				
31		3				
32		3				
33		1				
34		1				
35		1				
36		3				
37		3				
38		3				
39		3				
40		1				
41		1				
42		1				
43		3				
44		3				
45		3				
46		3				
47		3				
48		1				
49		1				
50		1				
TOTAL IND.	1	↓		↓		↓
TOTAL DEP.	88	←		←		←
TOTAL CLAIMS	89					

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51		3				
52		3				
53		3				
54		1				
55	1					
56		1				
57		1				
58		1				
59		1				
60		1				
61		1				
62		2				
63		1				
64		1				
65		1				
66		1				
67		1				
68		1				
69		1				
70		1				
71		1				
72		1				
73		1				
74		2				
75		2				
76		2				
77		2				
78		2				
79		2				
80		2				
81		2				
82		1				
83		1				
84		2				
85		2				
86		2				
87		1				
88	1					
89	1					
90		1				
91		1				
92		1				
93		1				
94		1				
95		1				
96		1				
97		1				
98		1				
99		1				
100		1				
TOTAL IND.	3	↓		↓		↓
TOTAL DEP.	65	←		←		←
TOTAL CLAIMS	68					

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

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CLAIMS ONLY							SERIAL NO.	FILING DATE
							APPLICANT(S)	
CLAIMS								
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			
	IND.	DEP.	IND.	DEP.	IND.	DEP.		
101		1						
102		1						
103		1						
104		1						
105		1						
106		1						
7		1						
8		1						
9		1						
10		1						
11	1							
12		1						
13		1						
14		1						
15		1						
16		1						
17		1						
18		1						
19		1						
20		1						
21		1						
22		1						
23		1						
24		1						
25		2						
26		2						
27		2						
28		2						
29		2						
30		2						
31		2						
32		2						
33		2						
34		1						
35		1						
36		1						
37		3						
38		3						
39		3						
40		3						
41		3						
42		3						
43		1						
44		1						
45		1						
46		3						
47		3						
48		3						
49		3						
50		1						
TOTAL IND.	1	↓		↓		↓		
TOTAL DEP.	28	←		←		←		
TOTAL CLAIMS	29							
51		1						
52		1						
53		3						
54		3						
55		3						
56		3						
57		3						
58		1						
59		1						
60		1						
61		3						
62		3						
63		3						
64		1						
65	1							
66		1						
67		1						
68		1						
69		1						
70		1						
71		1						
72		2						
73		1						
74		1						
75		1						
76		1						
77		1						
78		1						
79		1						
80		1						
81		1						
82		1						
83		1						
84		2						
85		2						
86		2						
87		2						
88		2						
89		2						
90		2						
91		2						
92		1						
93		1						
94		2						
95		2						
96		2						
97		1						
98	1							
99	1							
100		1						
TOTAL IND.	3	↓		↓		↓		
TOTAL DEP.	25	←		←		←		
TOTAL CLAIMS	28							

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

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3

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CLAIMS ONLY							SERIAL NO.	FILING DATE
							APPLICANT(S)	
CLAIMS								
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			
	IND.	DEP.	IND.	DEP.	IND.	DEP.		
101		1						
202		1						
203		1						
204		1						
205		1						
6		1						
7		1						
8		1						
9		1						
10		1						
11		1						
12		1						
13		1						
14		1						
15		1						
16		1						
17		1						
18		1						
19		1						
20		1						
21	1							
22		1						
23		1						
24		1						
25		1						
26		1						
27		1						
28		1						
29		1						
30		1						
31		1						
32		1						
33		1						
34		1						
35		1						
36		1						
37		1						
38		2						
39		2						
40		2						
41		2						
42		2						
43		2						
44		1						
45		1						
46		1						
47		3						
48		3						
49		3						
50		1						
TOTAL IND.	1	↓		↓		↓		
TOTAL DEP.	61	↓		↓		↓		
TOTAL CLAIMS	62							
51		1						
52		1						
53		3						
54		3						
55		1						
56		1						
57	1							
58		1						
59		1						
60		1						
61		1						
62		1						
63		1						
64		1						
65		1						
66		1						
67		1						
68		1						
69		1						
70		1						
71		2						
72		2						
73		2						
74		2						
75		2						
76		2						
77		2						
78		2						
79		2						
80		1						
81		1						
82		1						
83		3						
84		3						
85		3						
86		3						
87		3						
88		3						
89		1						
90		1						
91		1						
92		3						
93		3						
94		3						
95		3						
96		1						
97		1						
98		1						
99		3						
100		3						
TOTAL IND.	1	↓		↓		↓		
TOTAL DEP.	86	↓		↓		↓		
TOTAL CLAIMS	87							

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

(4)

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CLAIMS ONLY							SERIAL NO.	FILING DATE				
							APPLICANT(S)					
CLAIMS												
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*	*	*		
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	
301		3					51		1			
302		4					52		1			
303		3					53		2			
304		1					54		2			
305		1					55		2			
6		1					56		2			
7		3					57		2			
8		3					58		1			
9		3					59		1			
10		1					60		2			
11	1						61		2			
12		1					62		2			
13		1					63		1			
14		1					64	1				
15		1					65		1			
16		1					66		1			
17		1					67		1			
18		1					68		1			
19		1					69		1			
20		1					70		1			
21		1					71		1			
22		1					72		1			
23		1					73		1			
24		1					74		1			
25		1					75		1			
26		1					76		1			
27		2					77		1			
28		2					78		1			
29		2					79		1			
30		2					80		1			
31		2					81		1			
32		2					82		1			
33		2					83		2			
34		2					84		2			
35		2					85		2			
36		2					86		2			
37		1					87		2			
38		1					88		2			
39		2					89		1			
40		2					90		1			
41		2					91		1			
42		2					92		1			
43		2					93		1			
44		2					94		1			
45		1					95		1			
46		1					96		1			
47		2					97		1			
48		2					98	1				
49		2					99		1			
50		2					400		1			
TOTAL IND.	1						TOTAL IND.	2				
TOTAL DEP.	81						TOTAL DEP.	62				
TOTAL CLAIMS	82						TOTAL CLAIMS	63				

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

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5

CLAIMS ONLY							SERIAL NO.	FILING DATE
APPLICANT(S)								
CLAIMS								
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			
	IND.	DEP.	IND.	DEP.	IND.	DEP.		
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95								
96								
97								
98								
99								
100								
TOTAL IND.								
TOTAL DEP.	7							
TOTAL CLAIMS	7							

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS